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## Amendments to the Claims

Please amend Claims 1, 10, 12, 21 and 22. The Claim Listing below will replace all prior versions of the claims in the application:

## Claim Listing

- (currently amended) A method for promoting cardiac tissue repair comprising
  administering to the cardiac tissue a therapeutically effective amount of an angiogenic
  thrombin derivative peptide, wherein said peptide is between 12 and 23 amino acids in
  length, has angiogenic activity and comprises a thrombin receptor binding domain and a
  serine esterase conserved sequence.
- (previously presented) The method according to Claim 1 wherein said peptide comprises
  a thrombin receptor binding domain having the sequence Arg-Gly-Asp-Ala (SEQ ID
  NO. 1).
- (original) The method of Claim 2 wherein the serine esterase conserved sequence comprises Asp-Ala-Cys-Glu-Gly-Asp-Ser-Gly-Gly-Pro-Phe-Val (SEQ ID NO. 2).
- (original) The method of Claim 2 wherein the thrombin derivative peptide comprises the amino acid sequence: Ala-Gly-Tyr-Lys-Pro-Asp-Glu-Gly-Lys-Arg-Gly-Asp-Ala-Cys-Glu-Gly-Asp-Ser-Gl y-Gly-Pro-Phe-Val (SEQ ID NO. 3).
- (original) The method of Claim 1 wherein the thrombin derivative peptide consists of the amino acid sequence Ala-Gly-Tyr-Lys-Pro-Asp-Glu-Gly-Lys-Arg-Gly-Asp-Ala-Cys-Glu-Gly-Asp-Ser-Gly-Gly-Pro-Phe-Val (SEQ ID NO. 4).
- 6. (original) The method of Claim 1 wherein the peptide is administered during or following cardiac surgery.

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- (original) The method of Claim 2 wherein the peptide is administered by injection into 7. the cardiac tissue.
- (original) The method of Claim 2 wherein a sustained release formulation comprising the 8. angiogenic thrombin derivative peptide is administered to the cardiac tissue.
- (original) The method of Claim 8 wherein the sustained release formulation is a polylactic 9. acid/polyglycolic acid microparticles comprising the angiogenic thrombin derivative peptide.
- (currently amended) A method of stimulating revascularization of cardiac tissue 10. comprising administering to cardiac tissue a therapeutically effective amount of an angiogenic thrombin derivative peptide, wherein said peptide is between 12 and 23 amino acids in length, has angiogenic activity and comprises a thrombin receptor binding domain and a serine esterase conserved sequence.
- (cancelled) 11.
- (currently amended) A method of inhibiting restenosis in a patient following balloon 12. angioplasty, said method comprising administering to the patient a therapeutically effective amount of an angiogenic thrombin derivative peptide, wherein said peptide is between 12 and 23 amino acids in length, has angiogenic activity and comprises a thrombin receptor binding domain and a serine esterase conserved sequence.
- (original) The method of Claim 12 wherein the peptide is coated onto a balloon 13. angioplasty catheter.
- (original) The method of Claim 12 wherein the angiogenic thrombin derivative peptide is 14. administered systemically.

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- (original) The method of Claim 12 wherein the angiogenic thrombin derivative peptide is 15. administered locally to a balloon induced damaged area of a blood vessel.
- (original) The method of Claim 12 wherein a stent coated with the angiogenic thrombin 16. derivative peptide is inserted into a blood vessel at a balloon induced damaged area.
- (previously amended) The method of Claim 12 wherein said peptide comprises a 17. thrombin receptor binding domain having the sequence Arg-Gly-Asp-Ala (SEQ ID NO. 1).
- (original) The method of Claim 17 wherein the serine esterase conserved sequence 18. comprises Asp-Ala-Cys-Glu-Gly-Asp-Ser-Gly-Gly-Pro-Phe-Val (SEQ ID NO. 2).
- (original) The method of Claim 17 wherein the thrombin derivative peptide comprises the 19. amino acid sequence: Ala-Gly-Tyr-Lys-Pro-Asp-Glu-Gly-Lys-Arg-Gly-Asp-Ala-Cys-Glu-Gly-Asp-Ser-Gly-Gly-Pro-Phe-Val (SEQ ID NO. 3).
- (previously presented) The method of Claim 12 wherein the thrombin derivative peptide 20. consists of the amino acid sequence Asp-X1-Cys-X2-Gly-Asp-Ser-Gly-Gly-Pro-X3-Val (SEQ ID NO. 4), wherein X1 is either Ala or Ser; X2 is either Glu or Gln; and X3 is either Phe, Met, Leu, His, or Val.
- (currently amended) A stent coated with an angiogenic thrombin derivative peptide, 21. wherein said peptide is between 12 and 23 amino acids in length, has angiogenic activity and comprises a thrombin receptor binding domain and a serine esterase conserved sequence.
- (currently amended) A method of inhibiting vascular occlusion in a patient, said method 22. comprising administering to the patient a therapeutically effective amount of an angiogenic thrombin derivative peptide, wherein said peptide is between 12 and 23 amino

- acids in length, has angiogenic activity and comprises a thrombin receptor binding domain and a serine esterase conserved sequence.
- 23. (previously presented) The method of Claim 1, wherein the angiogenic thrombin derivative peptide comprises a C-terminal amide.
- 24. (previously presented) The method of Claim 10, wherein the angiogenic thrombin derivative peptide comprises a C-terminal amide.
- 25. (previously presented) The method of Claim 12, wherein the angiogenic thrombin derivative peptide comprises a C-terminal amide.
- 26. (previously presented) The method of Claim 22, wherein the angiogenic thrombin derivative peptide comprises a C-terminal amide.
- 27. (previously presented) The stent of Claim 21, wherein the angiogenic thrombin derivative peptide comprises a C-terminal amide.
- 28. (previously presented) A method for promoting cardiac tissue repair comprising administering to the cardiac tissue a therapeutically effective amount of a C-terminus amidated peptide comprising the sequence Ala-Gly-Tyr-Lys-Pro-Asp-Glu-Gly-Lys-Arg-Gly-Asp-Ala-Cys-Glu-Gly-Asp-Ser-Gly-Gly-Pro-Phe-Val (SEQ ID NO. 3).
- 29. (previously presented) A method of stimulating revascularization of cardiac tissue comprising administering to cardiac tissue a therapeutically effective amount of a Cterminus amidated peptide comprising the sequence Ala-Gly-Tyr-Lys-Pro-Asp-Glu-Gly-Lys-Arg-Gly-Asp-Ala-Cys-Glu-Gly-Asp-Ser-Gly-Gly-Pro-Phe-Val (SEQ ID NO. 3).
- 30. (previously presented) A method of inhibiting restenosis in a patient following balloon angioplasty, said method comprising administering to the patient a therapeutically

effective amount of a C-terminus amidated peptide comprising the sequence Ala-Gly-Tyr-Lys-Pro-Asp-Glu-Gly-Lys-Arg-Gly-Asp-Ala-Cys-Glu-Gly-Asp-Ser-Gly-Gly-Pro-Phe-Val (SEQ ID NO. 3).

- 31. (previously presented) A stent coated with a C-terminus amidated peptide comprising the sequence Ala-Gly-Tyr-Lys-Pro-Asp-Glu-Gly-Lys-Arg-Gly-Asp-Ala-Cys-Glu-Gly-Asp-Ser-Gly-Gly-Pro-Phe-Val (SEQ ID NO. 3).
- 32. (previously presented) A method of inhibiting vascular occlusion in a patient, said method comprising administering to the patient a therapeutically effective amount of a Cterminus amidated peptide comprising the sequence Ala-Gly-Tyr-Lys-Pro-Asp-Glu-Gly-Lys-Arg-Gly-Asp-Ala-Cys-Glu-Gly-Asp-Ser-Gly-Gly-Pro-Phe-Val (SEQ ID NO. 3).